

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Air Quality Division

1110 W. Washington Street · Phoenix, AZ 85007 · Phone: (602) 771-2316

MINOR PERMIT REVISION TO AIR QUALITY CONTROL PERMIT

(As required by Title 49, Chapter 3, Article 2, Section 49-426, Arizona Revised Statutes)

This air quality control permit does not relieve applicant of responsibility for meeting all air pollution regulations

1. PERMIT TO BE ISSUED TO (Business license name of organization that is to receive permit) _____

Salt River Project

2. NAME (OR NAMES) OF OWNER OR PRINCIPALS DOING BUSINESS AS THE ABOVE ORGANIZATION _____

Salt River Project Agricultural Improvement and Power District

3. MAILING ADDRESS **PO Box 52025, PAB 352**

Phoenix, AZ 85072-2025

4. ORIGINAL EQUIPMENT LOCATION/ADDRESS **6 Miles northeast of St. Johns off U.S. Hwy 666 St. Johns,**

Apache County, AZ 85936

5. FACILITIES OR EQUIPMENT DESCRIPTION **Coronado Generating Station – Addition of coal additive**

soda ash silo

6. THIS PERMIT ISSUED SUBJECT TO THE FOLLOWING **Conditions as described in attached**

7. ADEQ MINOR REVISION NUMBER **44900** PERMIT CLASS **I**

MINOR REVISION ISSUED THIS **13th** DAY OF **December**, **2007**


SIGNATURE

Nancy C. Wrona, Director, Air Quality Division

TITLE

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MINOR PERMIT REVISION DESCRIPTION

This minor permit revision #44900 to operating permit #30732 for Salt River Project is for the addition of a coal additive soda ash silo with an associated baghouse for control of particulate matter emissions when the silo is being loaded. The silo has a capacity of 3000 cubic feet. The addition of a coal additive soda ash silo will result in a potential emissions increase of 0.3 tons per year of particulate matter with an aerodynamic diameter less than 10 microns (PM₁₀). This emission increase is below the PM₁₀ "significant" threshold of 15 tons per year as defined in A.A.C. R18-2-101.106.a. The proposed change meets all gatekeepers for a minor permit revision as outlined in A.A.C. R18-2-319 (A).

ATTACHMENT "B"

Addenda (Minor Revision No. 44900) to Operating Permit No. 30732 for Salt River Project

The following Condition XII shall be added in Attachment "B" of Operating Permit No. 30732.

XII. COAL ADDITIVE SODA ASH SILO

A. Applicability

This section applies to the Coal Additive Soda Ash Silo as described in Attachment "C" of this permit.

B. Opacity

1. Emission Limitation/Standards [A.A.C. R 18-2-702.B.3]

The Permittee shall not cause, allow or permit the opacity of any plume or effluent from the coal additive soda ash silo to exceed 20 percent.

2. Monitoring/Recordkeeping/Recording [A.A.C. R 18-2-306.A.3.c]

Permittee shall conduct weekly opacity monitoring of the baghouse associated with the coal additive soda ash silo in accordance with Condition I.E of this Attachment when the coal additive soda ash silo is operational.

C. Particulate Matter

1. Emission Limitation/Standards

- a. Permittee shall not cause, allow or permit the discharge of particulate matter into the atmosphere in any one hour from the coal additive soda ash silo in total quantities in excess of the amounts calculated by the following equation:

$$E = 4.10 P^{0.67}$$

Where:

E = the maximum allowable particulate emissions rate in pounds-mass per hour.

P = the process weight rate in tons-mass per hour.

[A.A.C. R18-2-730.A.1.a]

- b. The total process weight from all similar units employing a similar type process shall be used in determining the maximum allowable emission of particulate matter.

[A.A.C. R18-2-730.B]

2. Air Pollution Controls

When the coal additive soda ash silo is operational, Permittee shall maintain and operate the baghouse used to capture particulate matter emissions associated with the coal additive soda ash silo in accordance with manufacturer's specification and in a manner consistent with good air pollution control practices.

[A.A.C. R18-2-306.A.2 and 331.A.3.e]

[Material Permit Condition are defined by underline and italics]

3. Monitoring/Recordkeeping/Reporting

a. The manufacturer's specifications shall be on file and shall be readily available for inspection by the Department. [A.A.C. R18-2-306.A.2]

b. Permittee shall maintain records of emissions related maintenance performed on the coal additive soda ash silo baghouse. [A.A.C. R18-2-306.A.3.c]

ATTACHMENT "C"

Addenda (Minor Revision No. 44900) to Operating Permit No. 30732 for Salt River Project

Following equipment details shall be added above "Other Control Equipment" in Equipment List on page 52 of Operating Permit #30732.

Equipment Type	Maximum Capacity	Quantity	Model	Serial #/ Equipment #	Installation/Mfg. Date
<i>Soda Ash Handling System</i>					
Coal Additive Soda Ash Silo	3,000 cubic feet	1	CHEMCO Systems, L.P.	SILO-12	2003

Following equipment details shall be added under "Other Control Equipment" on page 52 in Equipment List of Operating Permit #30732.

Equipment Type	Maximum Capacity	Quantity	Model	Serial #/ Equipment #	Installation/Mfg. Date
Coal Additive Soda Ash Silo Baghouse	750 CFM	1	CHEMCO Systems, L.P.	DC-12	2003